Round Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 10

Square Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 12

Ellipse Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 14

Diamond Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 16

Horizontal Line

0% --> 100% Density, 10 lines per inch, 0° Dot Draw Angle

— 18

45° Line

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 20

Fig. 1

Original Microtext Document

SAMPLE COMPANY, LTD.
8500 Beachley Road
North Andover, MA 01845
(617) 555-9161

VENDOR NO.   DATE   CHECK NO.

AMOUNT

THE SUM OF

PAY
TO THE
ORDER
OF

TestBank Delaware
A subsidiary of TestCorp
NEW CASTLE, DELAWARE
00-00
311

⑈0123456711⑈   ⑈0123456781⑈

AUTHORIZED SIGNATURE

24 —

— 22

DSIGNATUREAUTHORIZEDSIGNATUREAUTHORIZEDSIGNATUREAU
AUTH — 26
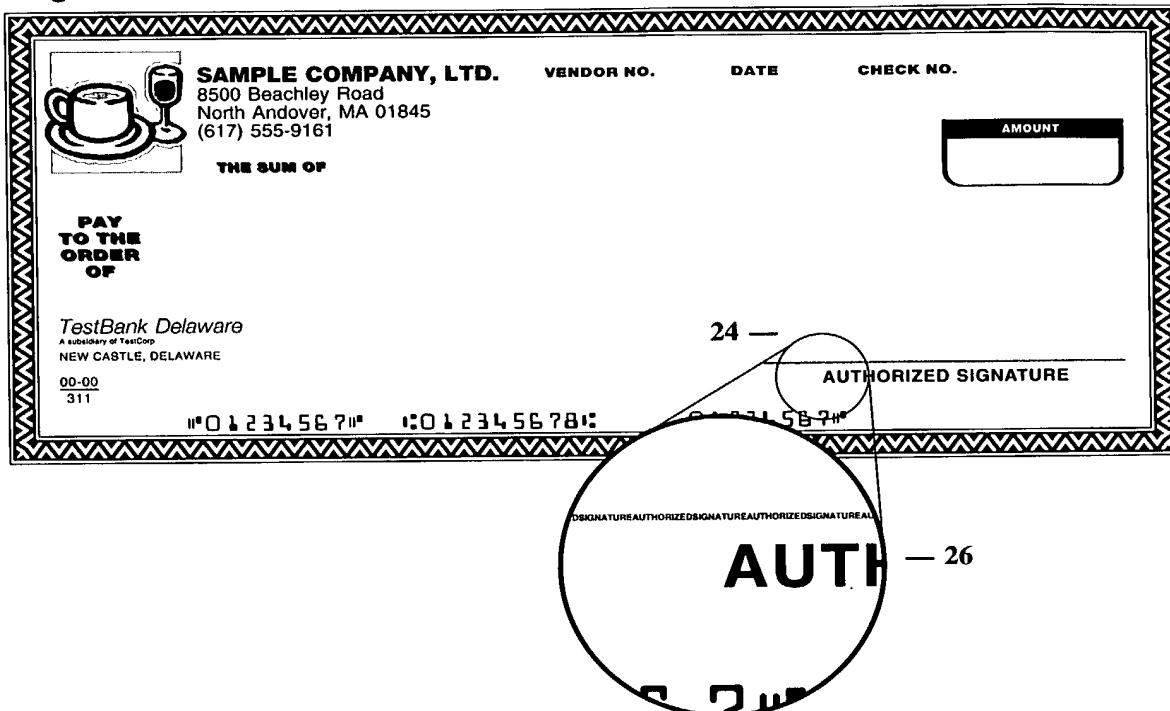
Photocopied Microtext Document

SAMPLE COMPANY, LTD.
8500 Beachley Road
North Andover, MA 01845
(617) 555-9161

VENDOR NO.   DATE   CHECK NO.

AMOUNT

THE SUM OF

PAY
TO THE
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TestBank Delaware
A subsidiary of TestCorp
NEW CASTLE, DELAWARE
00-00
311

⑈0123456711⑈   ⑈0123456781⑈

AUTHORIZED SIGNATURE

— 28

AUTH — 30
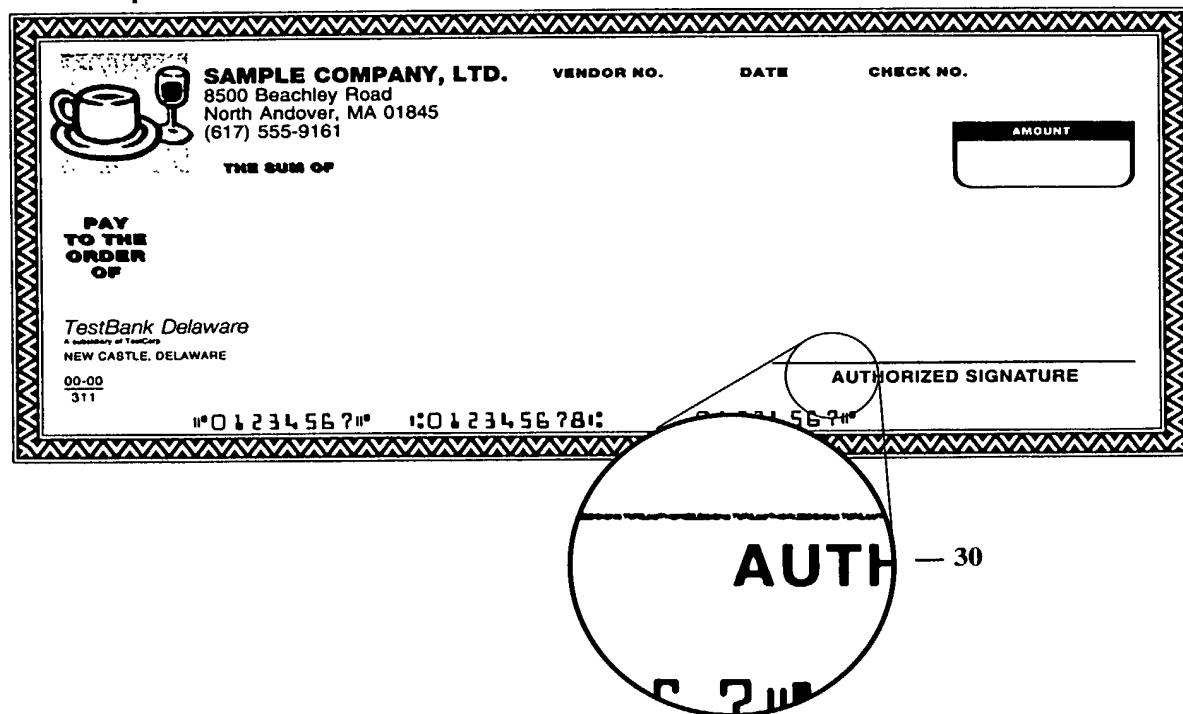
Fig. 2

Custom Phrase SafeTDot Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 36

Custom Shape Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 34
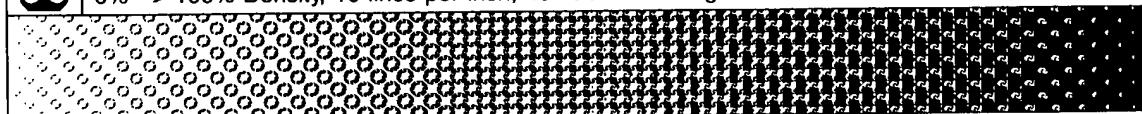
Custom Photograph Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 34
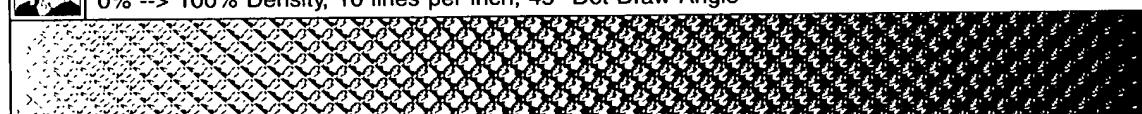
Custom SafeTDot Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 38
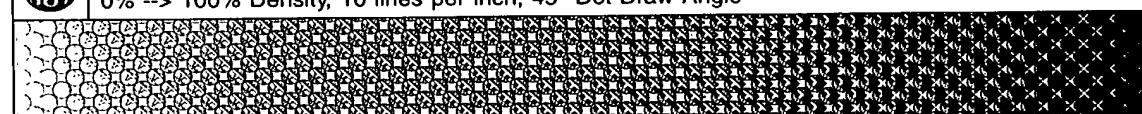
Custom Route 76 Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 32

Fig. 3

```
┌─────────────────────┐
│    Capture Seed     │ — 40
│       Image         │
└─────────────────────┘
           │
┌─────────────────────┐
│     Convert to      │
│  Bitmap of 255x255  │ — 42
│       or Less       │
└─────────────────────┘
           │
┌─────────────────────┐
│     Edit Bitmap     │ — 44
│  to Create Seed Image│
└─────────────────────┘
           │
┌─────────────────────┐
│     Save Seed       │
│     Image and       │
│    Import Into      │ — 46
│     DotMaker        │
└─────────────────────┘
           │
┌─────────────────────┐
│ Assign Pixel Illumination│
│   Ranking Values to │ — 48
│   Seed Image Pixels │
└─────────────────────┘
           │
┌─────────────────────┐
│    Store LogoDot    │ — 50
│     In Library      │
└─────────────────────┘
           │
┌─────────────────────┐
│   Create Document   │
│ and Assign LogoDots │
│   From Library to   │ — 52
│  Graphical Elements │
└─────────────────────┘
           │
┌─────────────────────┐
│  Send Composite     │
│  Document Image     │ — 54
│   to PostScript     │
│  Imaging Device     │
└─────────────────────┘
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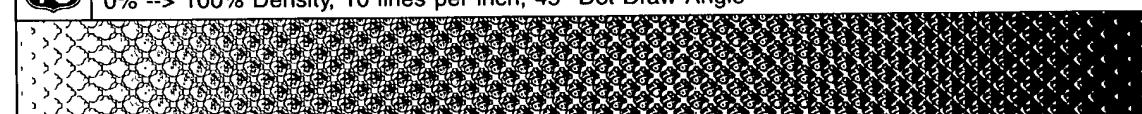
Fig. 4

Fig. 5

Pixel Illumination Ranking Order

254	208	189	205	210	214	221	225	229	232	238	243	248	251	254
229	186	189	206	211	216	221	226	229	233	238	244	249	252	254
213	183	191	209	214	217	223	228	230	234	239	245	251	253	254
211	181	197	211	216	220	225	230	233	236	241	247	252	253	254
188	210	209	213	219	222	226	232	238	240	242	248	252	254	254
192	213	213	214	221	225	228	235	244	249	247	244	241	238	234
197	214	216	217	223	226	226	223	218	211	208	203	199	193	187
205	219	223	226	228	242	234	202	176	125	101	79	53	31	12
209	222	226	228	241	250	229	163	102	69	32	0	0	0	0
211	223	229	232	241	251	227	160	99	63	28	0	0	0	0
216	226	231	235	243	253	223	152	77	32	0	0	0	0	0
220	231	233	240	246	251	219	147	61	27	0	0	0	0	0
227	235	237	243	250	248	211	119	39	0	0	0	0	0	0
231	240	242	249	254	250	207	101	14	0	0	0	0	0	0
238	242	246	250	254	249	201	97	10	0	0	0	0	0	0

— 70

PS DotMaker - SafeTDot.tif

New
Catalog

Image: 254 by 254h
Cell Size: 254
Image Density: 0.00%

Base Frequency: 10.00
Dot Size: 0.100 in (2.540 mm)
Growth Center X: 127
Growth Center Y: 127
Target dpi: 2540

Growth Direction:
◆ Radial
◇ 0/180 ◇ 90/270

PS Ranking Range:
◆ -1..1 ◇ 0..1

Exit

— 68

— 66

Fig. 6

— 60

— 62

Fig. 7

Custom SafeTDot Dot

0% --> 100% Density, 5 lines per inch, 45° Dot Draw Angle

0%   5%   10%   15%   20%   25%   30%

35%   40%   45%   50%   55%   60%   65%

— 64

70%   75%   80%   85%   90%   95%   100%
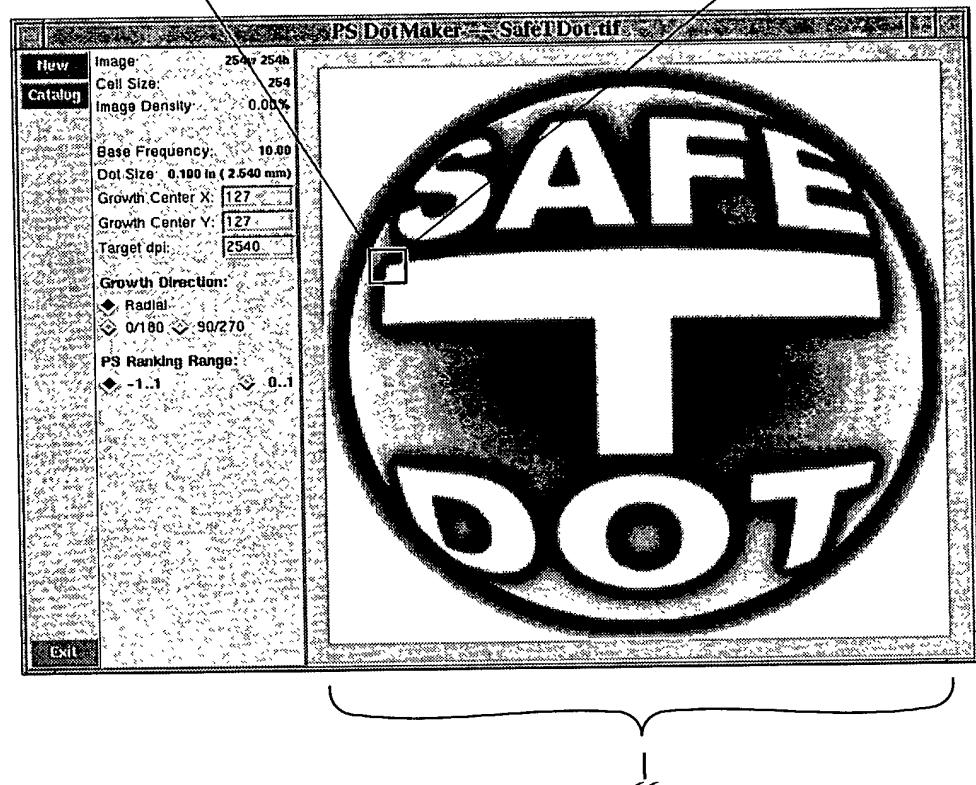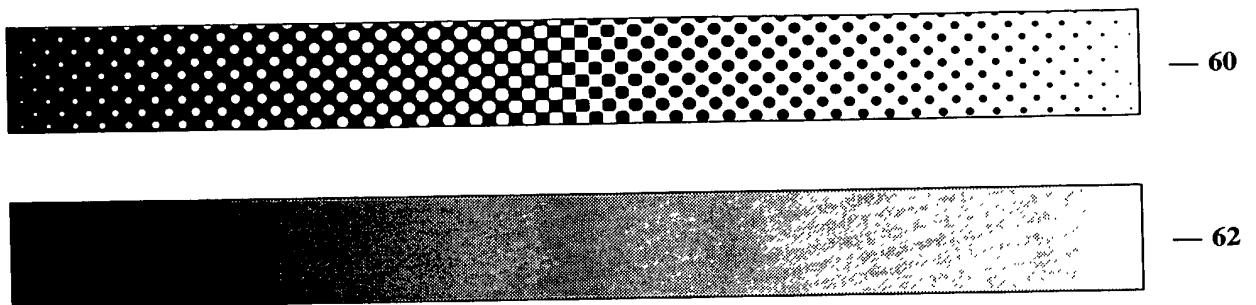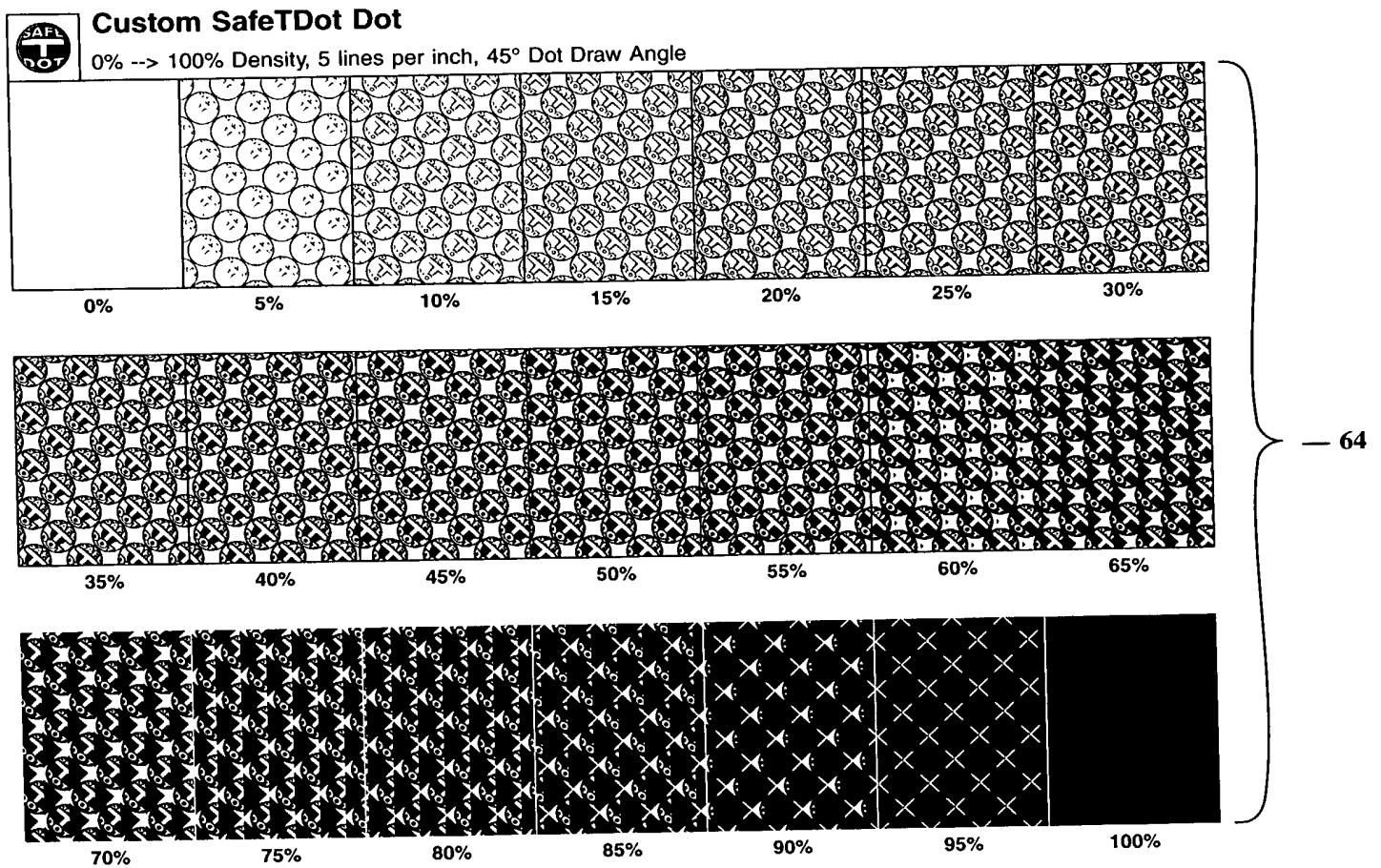
Fig. 8

72 74 76

Custom Multi-Seed Dot

0% --> 100% Density, 10 lines per inch, 45° Dot Draw Angle

— 77

0% --> 10% Density, 10 lines per inch, 45° Dot Draw Angle

— 78
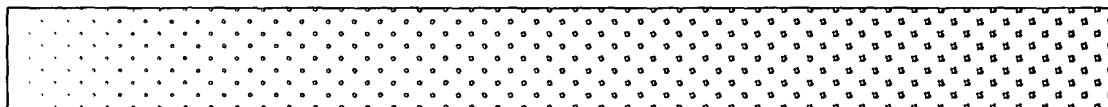
10% --> 20% Density, 10 lines per inch, 45° Dot Draw Angle

— 80
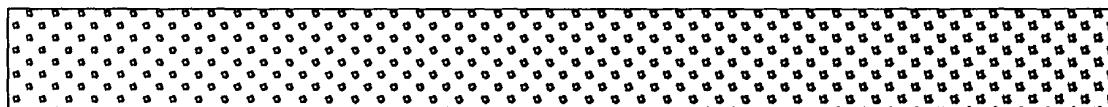
20% --> 40% Density, 10 lines per inch, 45° Dot Draw Angle

— 82

Fig. 9

AMGRAF, INC.

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- Corporate Logos F - J
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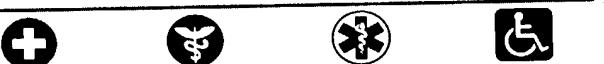
Government Logos

More ..

Sports Symbols

More ...

Military Emblems

More ...

84

Fig. 10

90°

135°

45°

180°

0°

215°

315°

270°

Fig. 11

Fig. 12a

SAMPLE COMPANY, LTD.
8500 Beachley Road
North Andover, MA 01845
(617) 555-9161

PAY
TO THE
ORDER
OF

THE SUM OF

VENDOR NO: DATE   CHECK NO:

AMOUNT

VOID

AUTHORIZED SIGNATURE

94

92
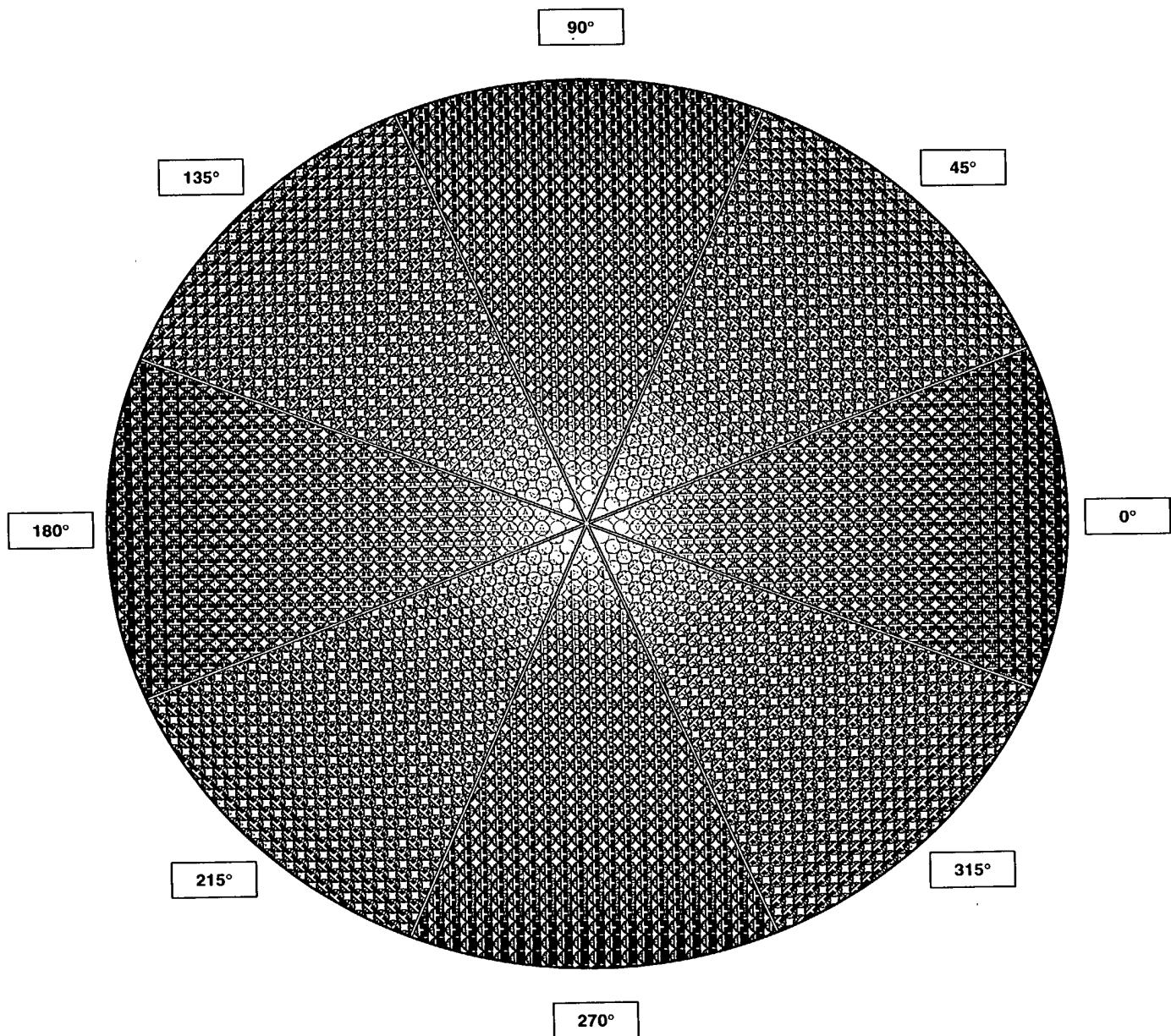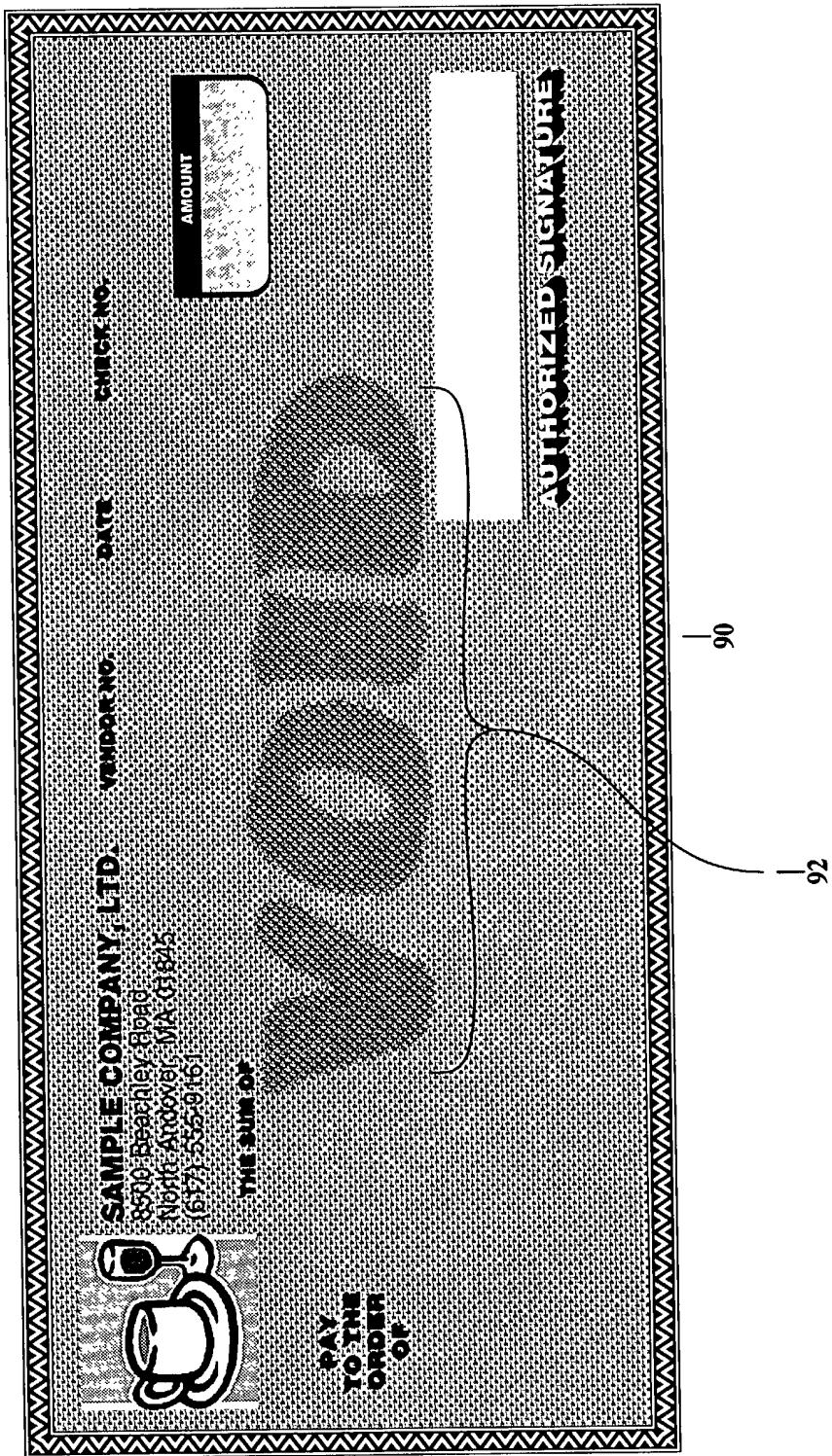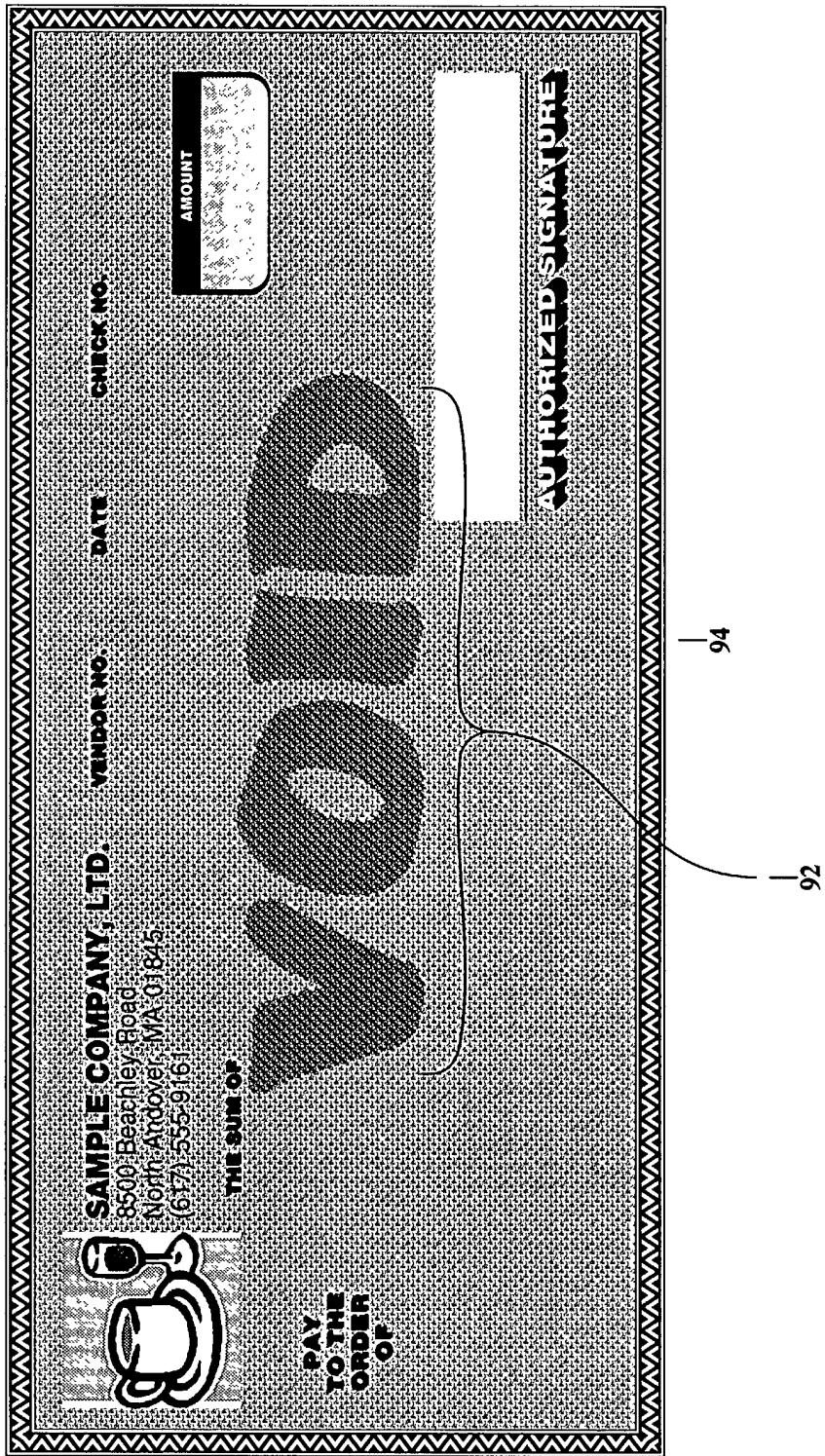
Fig. 12b
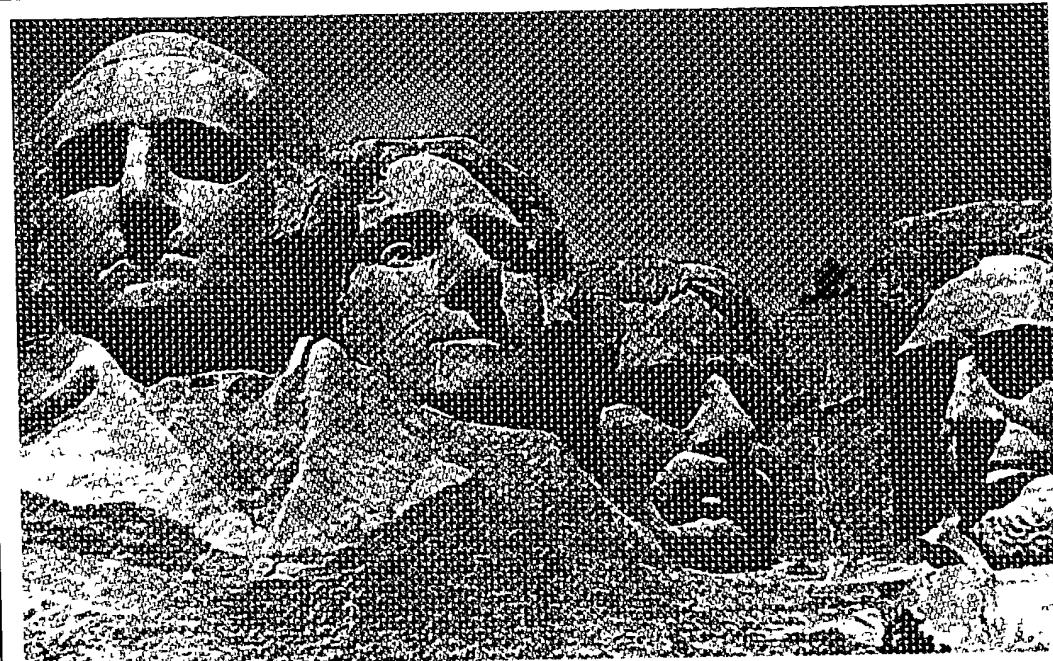
Photographs
96
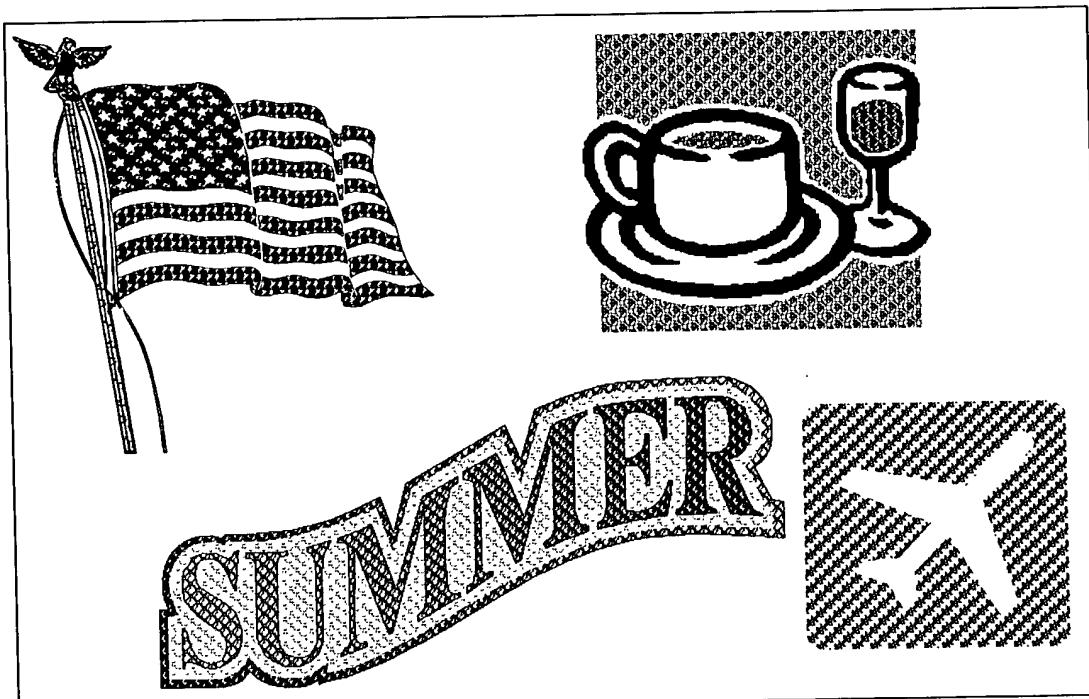
Raster Images, Logos, and Symbols
98

Fig. 13a

HELVETICA BOLD

TIMES ROMAN BOLD ITALIC

AVANT GARDE

CENTURY BOLD

Zapf Chancery

1234567890

Typefaces and Textual Objects 100
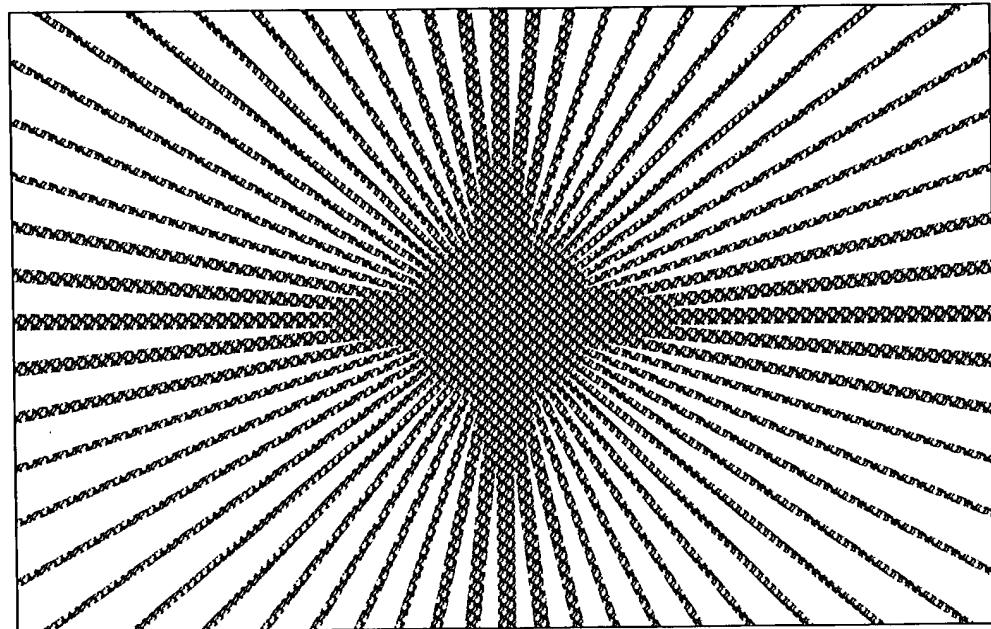
Rules and Lines 102

Fig. 13b
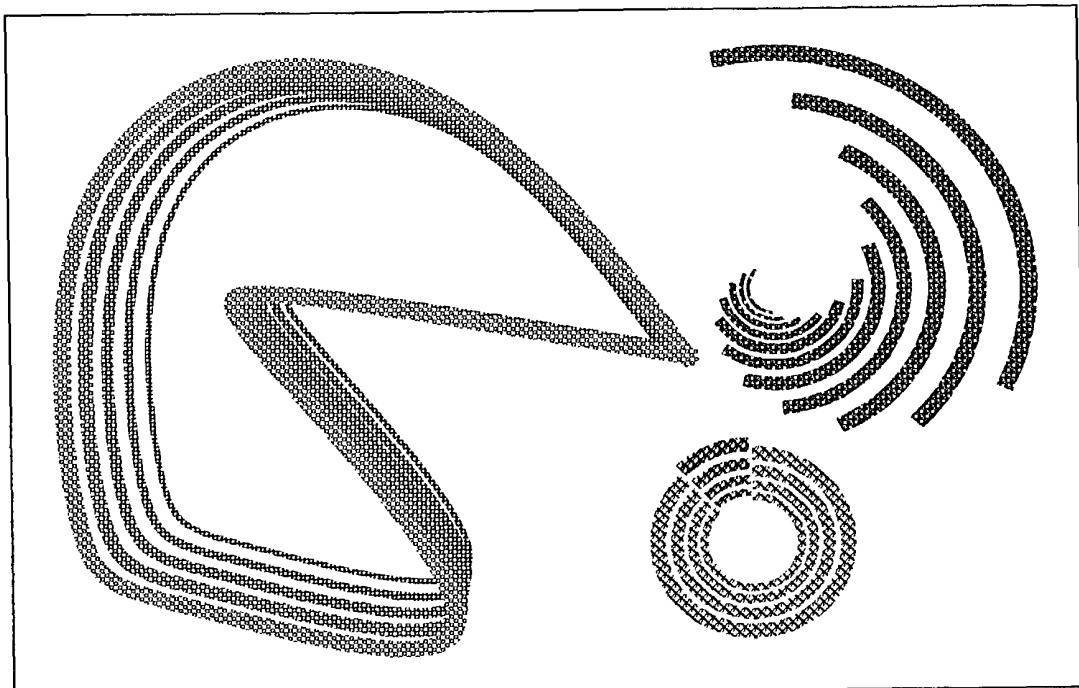
Arcs and Splines

106
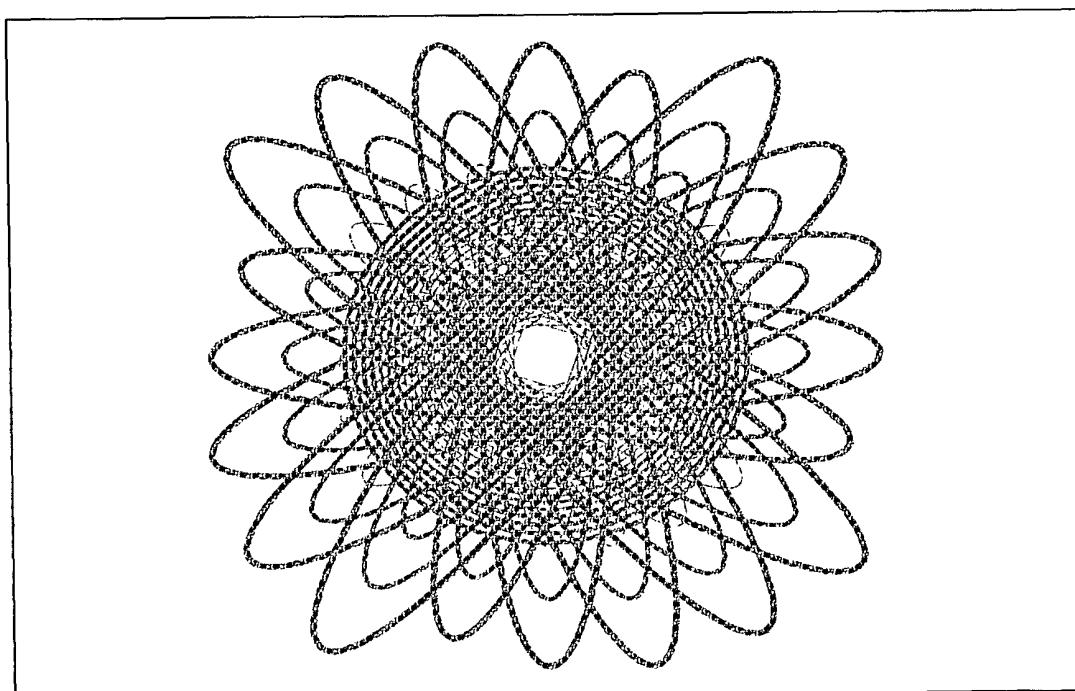
Circles and Ellipses

104

Fig. 13c
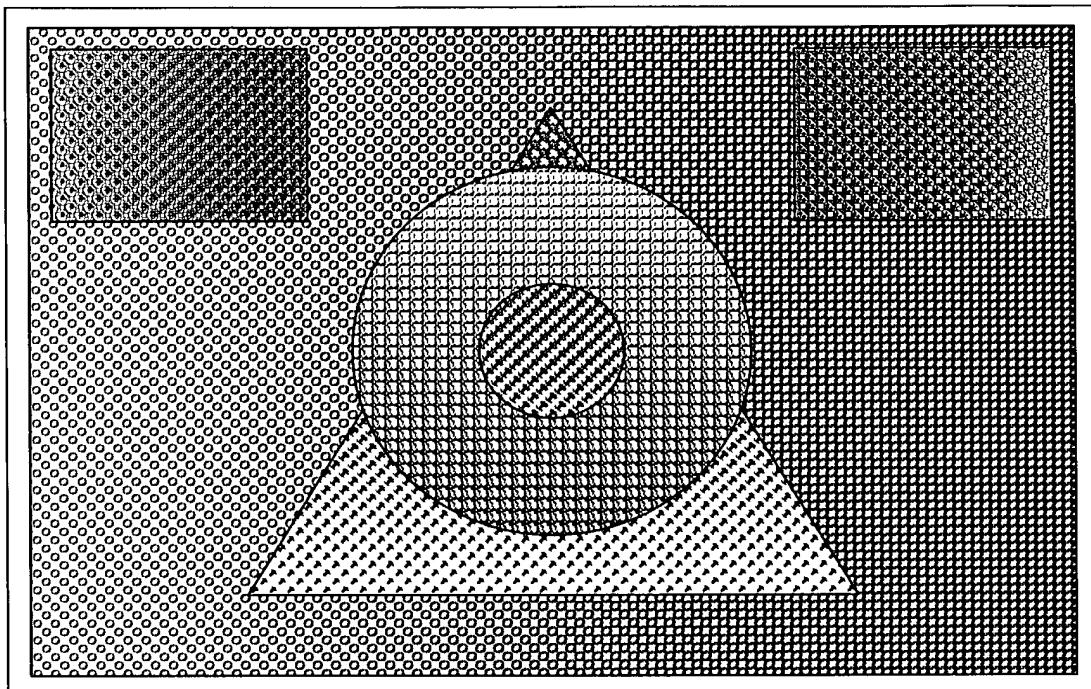
Filled Areas

108
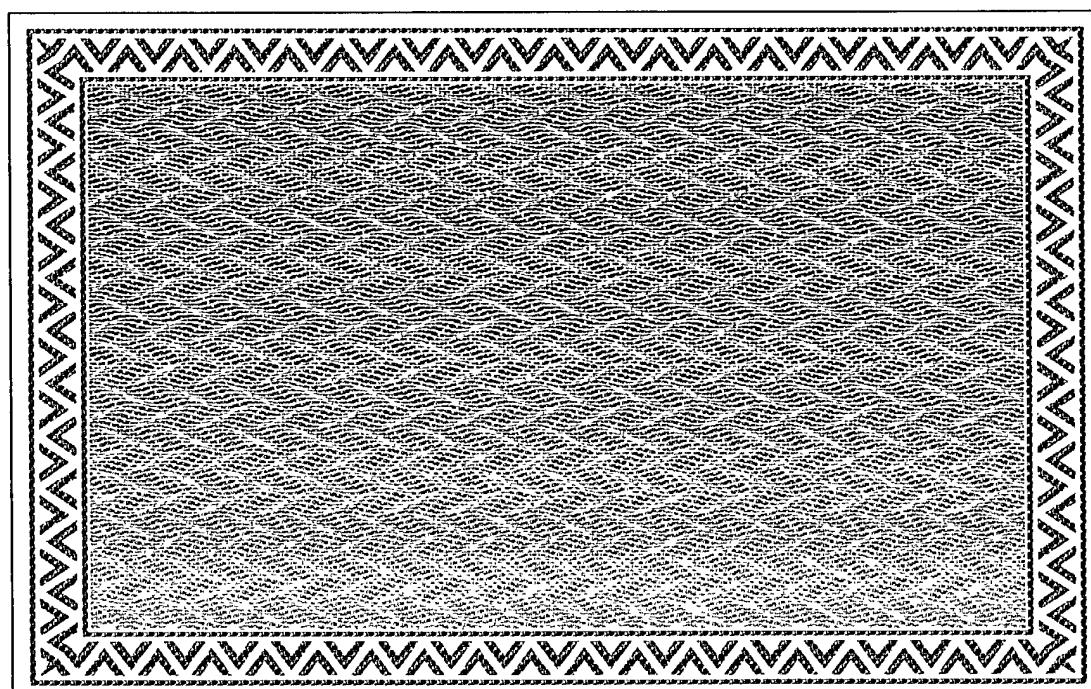
Borders, Pantographs, and Patterns

110

Fig. 13d
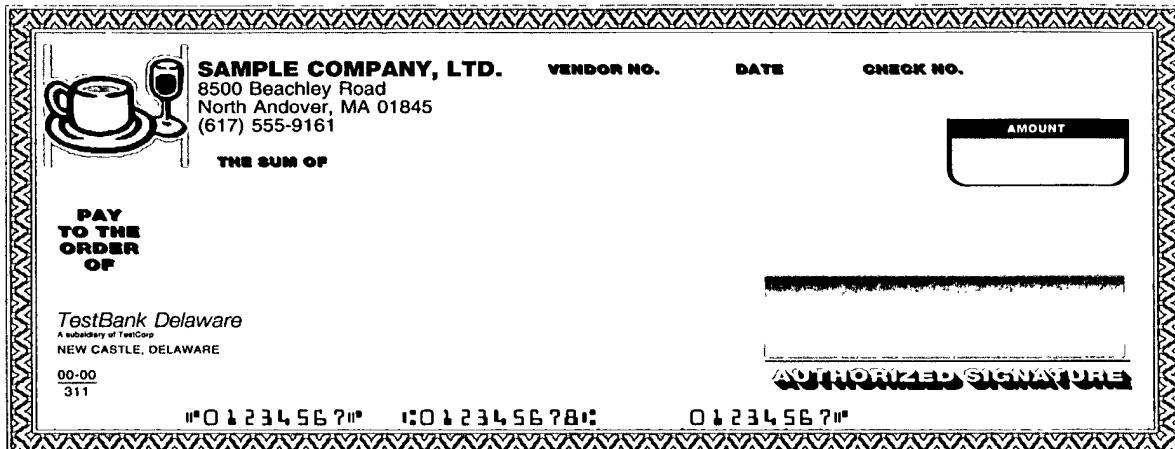
Security Document with All Graphical Elements Rendered in Conventional Halftone Dots
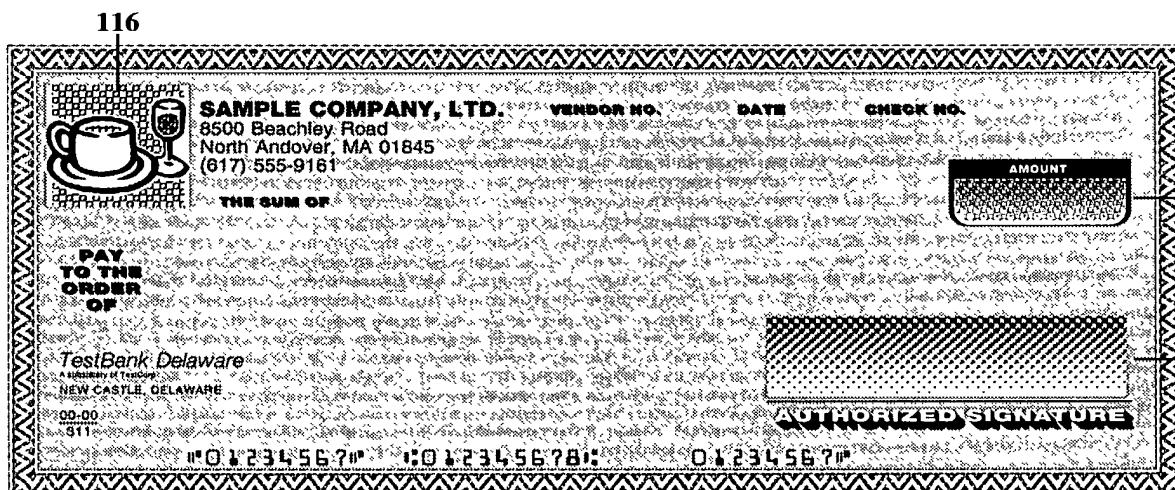
Security Document with Selected Graphical Elements Rendered in Custom Halftone Dots ("logodots").

Fig. 14